

These peptides are derived from domains found in PMPs or other molecules that are either known to or predicted to stimulate one or more of the inherent antimicrobial functions of leukocytes such as neutrophils, monocytes, macrophages, and/or lymphocytes. Example sequences in this category are:

131 PMP-2<sub>1-22</sub>: Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Val Cys Val Lys Thr Thr  
Ser Leu Val (SEQ ID NO:96);

PMP-2<sub>1-37</sub>: Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Val Cys Val Lys Thr Thr  
Ser Leu Val Arg Pro Arg His Ile Thr Asn Leu Glu Leu  
Ile Lys Ala Gly Gly (SEQ ID NO:97); and

SEQUENCE No. 17 (e.g. RP-15).

Please replace the paragraph beginning at page 63, line 22, with the following rewritten paragraph:

Variants of the above sequences or those present in Figure 12, which have the described modifications in their Glu - Leu - Arg (ELR) and/or sixth basic residue components may also be suitable. Examples include:

132 21-K-PMP-2<sub>1-22</sub>: Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Val Cys Val  
Lys Thr Thr Ser Lys Val (SEQ ID NO:98);

ELR-PMP-2<sub>1-22</sub>: Ser Asp Asp Pro Lys Glu Ser Glu Gly Glu Leu Arg Cys Val Cys Val  
Lys Thr Thr Ser Leu Val (SEQ ID NO:99);

21-K,ELR-PMP-2<sub>1-22</sub>: Ser Asp Asp Pro Lys Glu Ser Glu Gly Glu Leu Arg Cys Val Cys Val Lys  
Thr Thr Ser Lys Val (SEQ ID NO:100);

B2 21-K,CC-PMP-2<sub>1-22</sub>: Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Cys Val Lys Thr  
Thr Ser Lys Val (SEQ ID NO:101);

ELR,CC-PMP-2<sub>1-22</sub>: Ser Asp Asp Pro Lys Glu Ser Glu Gly Glu Leu Arg Cys Cys Val Lys Thr  
Thr Ser Leu Val (SEQ ID NO:102); and

21-K,ELR,CC-PMP-2<sub>1-22</sub>: Ser Asp Asp Pro Lys Glu Ser Glu Gly Glu Leu Arg Cys Cys Val  
Lys Thr Thr Ser Lys Val (SEQ ID NO:103).

Please replace the paragraph beginning at page 64, line 23, with the following rewritten paragraph:

These include logical and/or strategic mosaic constructs of the above peptides in the categories above. Conceptually, these mosaic peptides will consist of one or more domains exerting direct microbicidal and/or microbiostatic activity linked or otherwise combined with one or more domains exerting leukocyte potentiating activities. Examples (only a few of the logical constructs achievable from combining the above peptides) are listed below:

B3 RP-1/PMP-2<sub>1-22</sub>: Ala Leu Tyr Lys Lys Phe Lys Lys Lys Leu Leu Lys Ser Leu Lys Arg Leu  
Gly Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Val Cys Val  
Lys Thr Thr Ser Leu Val (SEQ ID NO:104);

RP-11/PMP-2<sub>1-22</sub>: Ala Leu Tyr Lys Arg Leu Phe Lys Lys Leu Lys Lys Phe Ser Asp Asp Pro  
Lys Glu Ser Glu Gly Asp Leu His Cys Val Cys Val Lys Thr Thr Ser Leu  
Val (SEQ ID NO:105); and